

Q. Nguyen

re-run

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/407,430

DATE: 06/01/2000
TIME: 13:57:06

Input Set: I407430.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

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1  <110> APPLICANT: Worman, Howard J.
2      Mamiya, Naoto
3  <120> TITLE OF INVENTION: HCV E2 PROTEIN BINDING AGENTS FOR TREATMENT OF
4      HEPATITIS C VIRUS INFECTION
5  <130> FILE REFERENCE: 0575/54805
6  <140> CURRENT APPLICATION NUMBER: US/09/407,430
7  <141> CURRENT FILING DATE: 1999-09-29
8  <160> NUMBER OF SEQ ID NOS: 3
9  <170> SOFTWARE: PatentIn Ver. 2.1
10 <210> SEQ ID NO 1
11 <211> LENGTH: 168
12 <212> TYPE: PRT
13 <213> ORGANISM: human
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15      Met Asn Ser Lys Gly Gln Tyr Pro Thr Gln Pro Thr Tyr Pro Val Gln
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18          20              25              30
19      Pro Pro Tyr Thr Asp Ala Pro Pro Ala Tyr Ser Glu Leu Tyr Arg Pro
20          35              40              45
21      Ser Phe Val His Pro Gly Ala Ala Thr Val Pro Thr Met Ser Ala Ala
22          50              55              60
23      Phe Pro Gly Ala Ser Leu Tyr Leu Pro Met Ala Gln Ser Val Ala Val
24          65              70              75              80
25      Gly Pro Leu Gly Ser Thr Ile Pro Met Ala Tyr Tyr Pro Val Gly Pro
26          85              90              95
27      Ile Tyr Pro Pro Gly Ser Thr Val Leu Val Glu Gly Gly Tyr Asp Ala
28          100             105             110
29      Gly Ala Arg Phe Gly Ala Gly Ala Thr Ala Gly Asn Ile Pro Pro Pro
30          115             120             125
31      Pro Pro Gly Cys Pro Pro Asn Ala Ala Gln Leu Ala Val Met Gln Gly
32          130             135             140
33      Ala Asn Val Leu Val Thr Gln Arg Lys Gly Asn Phe Phe Met Gly Gly
34          145             150             155             160
35      Ser Asp Gly Gly Tyr Thr Ile Trp
36          165
37 <210> SEQ ID NO 2
38 <211> LENGTH: 363
39 <212> TYPE: PRT
40 <213> ORGANISM: hepatitis C virus
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42      Glu Thr His Val Thr Gly Gly Ser Ala Gly His Thr Val Ser Gly Phe
43          1              5              10              15
44      Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu Ile Asn
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45		20		25		30	
46	Thr Asn Gly Ser Trp His Leu Asn Ser Thr Ala Leu Asn Cys Asn Asp						
47		35		40		45	
48	Ser Leu Asn Thr Gly Trp Leu Ala Gly Leu Phe Tyr His His Lys Phe						
49		50		55		60	
50	Asn Ser Ser Gly Cys Pro Glu Arg Leu Ala Ser Cys Arg Pro Leu Thr						
51		65		70		75	80
52	Asp Phe Asp Gln Gly Trp Gly Pro Ile Ser Tyr Ala Asn Gly Ser Gly						
53			85		90		95
54	Pro Asp Gln Arg Pro Tyr Cys Trp His Tyr Pro Pro Lys Pro Cys Gly						
55		100		105		110	
56	Ile Val Pro Ala Lys Ser Val Cys Gly Pro Val Tyr Cys Phe Thr Pro						
57		115		120		125	
58	Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr Tyr						
59		130		135		140	
60	Ser Trp Gly Glu Asn Asp Thr Asp Val Phe Val Leu Asn Asn Thr Arg						
61		145		150		155	160
62	Pro Pro Leu Gly Asn Trp Phe Gly Cys Thr Trp Met Asn Ser Thr Gly						
63			165		170		175
64	Phe Thr Lys Val Cys Gly Ala Pro Pro Cys Val Ile Gly Gly Ala Gly						
65		180		185		190	
66	Asn Asn Thr Leu His Cys Pro Thr Asp Cys Phe Arg Lys His Pro Asp						
67		195		200		205	
68	Ala Thr Tyr Ser Arg Cys Gly Ser Gly Pro Trp Ile Thr Pro Arg Cys						
69		210		215		220	
70	Leu Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Ile Asn						
71		225		230		235	240
72	Tyr Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg						
73			245		250		255
74	Leu Glu Ala Ala Cys Asn Trp Thr Arg Gly Glu Arg Cys Asp Leu Glu						
75		260		265		270	
76	Asp Arg Asp Arg Ser Glu Leu Ser Pro Leu Leu Leu Thr Thr Thr Gln						
77		275		280		285	
78	Trp Gln Val Leu Pro Cys Ser Phe Thr Thr Leu Pro Ala Leu Ser Thr						
79		290		295		300	
80	Gly Leu Ile His Leu His Gln Asn Ile Val Asp Val Gln Tyr Leu Tyr						
81		305		310		315	320
82	Gly Val Gly Ser Ser Ile Ala Ser Trp Ala Ile Lys Trp Glu Tyr Val						
83			325		330		335
84	Val Leu Leu Phe Leu Leu Leu Ala Asp Ala Arg Val Cys Ser Cys Leu						
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95	Leu Asn Ser Thr Ala Leu Asn Cys Asn Asp Ser Leu Asn Thr Gly Trp
96	20 25 30
97	Leu Ala Gly Leu Phe Tyr His His Lys Phe Asn Ser Ser Gly Cys Pro
98	35 40 45
99	Glu Arg Leu Ala Ser Cys Arg Pro Leu Thr Asp Phe Asp Gln Gly Trp
100	50 55 60
101	Gly Pro Ile Ser Tyr Ala Asn Gly Ser Gly Pro Asp Gln Arg Pro Tyr
102	65 70 75 80
103	Cys Trp His Tyr Pro Pro Lys Pro Cys Gly Ile Val Pro Ala Lys Ser
104	85 90 95
105	Val Cys Gly Pro Val Tyr Cys Phe Thr Pro Ser Pro Val Val Val Gly
106	100 105 110
107	Thr Thr Asp Arg Ser Gly Ala Pro Thr Tyr Ser Trp Gly Glu Asn Asp
108	115 120 125
109	Thr Asp Val Phe Val Leu Asn Asn Thr Arg Pro Pro Leu Gly Asn Trp
110	130 135 140
111	Phe Gly Cys Thr Trp Met Asn Ser Thr Gly Phe Thr Lys Val Cys Gly
112	145 150 155 160
113	Ala Pro Pro Cys Val Ile Gly Gly Ala Gly Asn Asn Thr Leu His Cys
114	165 170 175
115	Pro Thr Asp Cys Phe Arg Lys His Pro Asp Ala Thr Tyr Ser Arg Cys
116	180 185 190
117	Gly Ser Gly Pro Trp Ile Thr Pro Arg Cys Leu Val Asp Tyr Pro Tyr
118	195 200 205
119	Arg Leu Trp His Tyr Pro Cys Thr Ile Asn Tyr Thr Ile Phe Lys Ile
120	210 215 220
121	Arg Met Tyr Val Gly Gly Val Glu His Arg Leu Glu Ala Ala Cys Asn
122	225 230 235 240
123	Trp Thr Arg Gly Glu Arg Cys Asp Leu Glu Asp Arg Asp Arg
124	245 250

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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text
